HP ProCurve M110 Access Point WW

Product overview

HP ProCurve M110 Access Point is an entry-level, single IEEE 802.11a/b/g radio device that can be configured to operate as an access point, a wireless distribution system (WDS) bridge, or a full-spectrum IEEE 802.11 wireless LAN (WLAN) monitor. The ProCurve M110 Access Point supports up to two Virtual Service Communities, each with independent VLAN and wireless security profiles. It is Plenum rated and powered by IEEE 802.3af-compliant Power over Ethernet (PoE). The M110 access point is Wi-Fi Certified for WPA2, WPA, and WEP security and has hardware assisted AES and RC4 encryption.

Features and benefits

Industry-leading warranty

Mobility

• **Enhanced security:**
- Configurable Ethernet MAC and protocol filters
- WPA2, WPA, and WEP
- IEEE 802.1X PEAP WLAN authentication
- Hardware-assisted AES and RC4 encryption

• **Location flexibility:**
- 100 mW radio and antenna diversity provide excellent range
- Configurable IEEE 802.11 a/b/g radio with external antenna connectors
- Plenum rated
- Centrally manageable as part of the ProCurve Intelligent Mobility system

Warranty and support

• **ProCurve Lifetime Warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries).

• **Electronic and telephone support:** limited electronic and telephone support is available from HP. Refer to the HP Web site at www.procurve.com/support for details on the support provided and the period during which support is available.

• **Software releases:** refer to the HP Web site at www.procurve.com/support for details on the software releases provided and the period during which software releases are available.

* For as long as you own the product, with next-business-day advance replacement (available in most countries). The following hardware products and their related series modules have a one-year hardware warranty with extensions available: HP ProCurve Routing Switch 9300m Series, HP ProCurve Switch 8100fl Series, HP ProCurve Network Access Controller 800, and HP ProCurve DCM Controller. The following hardware mobility products have a one-year hardware warranty with extensions available: HP ProCurve M111 Client Bridge, HP ProCurve MSM3xx-R Access Points, HP ProCurve MSM7xx Mobility and Access Controllers, HP ProCurve RF Manager IDS/IPS Systems, HP ProCurve MSM Power Supplies, HP ProCurve 1-Port Power Injector, and HP ProCurve CNMS Appliances. Disk drives in the HP ProCurve ONE Services zl Modules have a five year hardware warranty. Standalone software, upgrades, or licenses may have a different warranty duration. For details, refer to the ProCurve Software License, Warranty, and Support booklet at www.procurve.com/warranty.

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Specifications

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Ports	1 RJ-45 auto-sensing 10/100 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX); Duplex: half or full
Physical characteristics	
Dimensions	5(d) x 5.5(w) x 1.3(h) in. (12.7 x 13.97 x 3.3 cm)
Weight	2.0 lb. (0.91 kg)
Enclosure	Indoor, plenum rated
Environment	
Operating temperature	32°F to 122°F (0°C to 50°C)
Operating relative humidity	5% to 95%, non-condensing
Non-operating/Storage temperature	-40°F to 176°F (-40°C to 80°C)
Non-operating/Storage relative humidity	5% to 95%, non-condensing
Shock and vibration	EN61373
Electrical characteristics	
Description	IEEE 802.3af PoE compliant or 5 VDC from available AC power supply
Power consumption	5 W
Antenna Connector	(2) RP-SMA with diversity
Antenna	(2) 2 dBi dual-band 2.4/5 GHz
Notes	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.
Frequency band and Operating channels	
FCC (US & Canada)	2.412 - 2.462 GHz (11 channels) 5.180 - 5.240 GHz (4 channels) 5.745 - 5.825 GHz (5 channels)
European Union	2.412 - 2.472 GHz (13 channels) 5.180 - 5.240 GHz (4 channels) 5.260 - 5.320 GHz (4 channels) 5.500 - 5.700 GHz (11 channels)
Radio	
	FCC Part 15.247; FCC Part 15.407 (US); RSS-210 (Canada); EN 300 328; ARIB STD-T66; IDA Registration (Singapore); MIC approval (Korea); RCR STD-33; ARIB STD-T71 (Japan); EN 301 893 (EU)
Safety	UL 2043; UL 60950-1; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1
Emissions	EN 55022 Class B; EN 301 489-1; EN 301 489-17; ICES-003 Class B; FCC Part 15, Class B
RF Exposure	
	FCC Bulletin OET-65C; RSS-102; EN 50385
Notes	Maximum transmit power varies by country.
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (UN691E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UN692E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UN694E) 3-year, 24x7 SW phone support, software updates (UN693E) Refer to the HP Web site at www.procurve.com/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

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Radio characteristics: IEEE 802.11a/b/g

Data rate	IEEE 802.11a 6 Mbps	IEEE 802.11a 54 Mbps	IEEE 802.11g 6 Mbps	IEEE 802.11g 54 Mbps	IEEE 802.11b 1 Mbps	IEEE 802.11b 11 Mbps
Receiver sensitivity	-90 dBm	-72 dBm	-92 dBm	-72 dBm	-90 dBm	-90 dBm
Transmit power	20 dBm	16 dBm	20 dBm	16 dBm	20 dBm	20 dBm

Standards and protocols

Mobility
IEEE 802.11a High Speed Physical Layer in the 5 GHz Band
IEEE 802.11b Higher-Speed Physical Layer Extension in the 2.4 GHz Band
IEEE 802.11g Further Higher Data Rate Extension in the 2.4 GHz Band
IEEE 802.11i Medium Access Control (MAC) Security Enhancements

HP ProCurve M110 Access Point WW accessories

HP ProCurve MSM31x and MSM32x Power Supply (J9405A)

HP ProCurve 1-Port Power Injector (J9407A)

Technology for better business outcomes

To learn more, visit www.hp.com/go/procurve

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March 2009

ProCurve Networking